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CALENDAR YEAR 2014
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Public Water Supply Name 070010 070017 070020 List PWS ID #s for all Community Water Systems included in this CCR

The Federal Safe Drinking Water Act (SDWA) requires each Community public water system to develop and distribute a Consumer Confidence Report (CCR) to its customers each year. Depending on the population served by the public water system, this CCR must be mailed or delivered to the customers, published in a newspaper of local circulation, or provided to the customers upon request. Make sure you follow the proper procedures when distributing the CCR. You must mail, fax or email a copy of the CCR and Certification to MSDH. Please check all boxes that apply.

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Deliver or send via U.S. Postal Service: Bureau of Public Water Supply P.O. Box 1700 Jackson, MS 39215

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# 2014 Annual Drinking Water Quality Report Mt. Comfort Water Association PWS#: 070010, 070011, 070017, 070020 & 070023

April 2015

We're pleased to present to you this year's Annual Quality Water Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water. Our water source is from wells drawing from the Gordo Formation & Eutaw Aguifer.

The source water assessment has been completed for our public water system to determine the overall susceptibility of its drinking water supply to identified potential sources of contamination. A report containing detailed information on how the susceptibility determinations were made has been furnished to our public water system and is available for viewing upon request. The wells for the Mt. Comfort Water Association have received lower to moderate susceptibility rankings to contamination.

If you have any questions about this report or concerning your water utility, please contact Chris Shelton at 662-983-7420. We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings. They are held on the first Tuesday of each month at 7:00 PM at the Mt. Comfort Water Association office located at 209 Center Street, Bruce, MS.

We routinely monitor for constituents in your drinking water according to Federal and State laws. This table below lists all of the drinking water contaminants that were detected during the period of January 1st to December 31st, 2014. In cases where monitoring wasn't required in 2014, the table reflects the most recent results. As water travels over the surface of land or underground, it dissolves naturally occurring minerals and, in some cases, radioactive materials and can pick up substances or contaminants from the presence of animals or from human activity; microbial contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife; inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban storm-water runoff, industrial, or domestic wastewater discharges, oil and gas production, mining, or farming; pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm-water runoff, and residential uses; organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations and septic systems; radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities. In order to ensure that tap water is safe to drink, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some constituents. It's important to remember that the presence of these constituents does not necessarily indicate that the water poses a health risk.

In this table you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

Action Level - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Maximum Contaminant Level (MCL) - The "Maximum Allowed" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal (MCLG) - The "Goal" (MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Maximum Residual Disinfectant Level (MRDL) - The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary to control microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG) - The level of a drinking water disinfectant below which there is no known or expected risk of health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Parts per million (ppm) or Milligrams per liter (mg/l) - one part per million corresponds to one minute in two years or a single penny in \$10,000.

Parts per billion (ppb) or Micrograms per liter - one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000 000

PWS ID #				EST RESUL				
Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measure -ment	MCLG	MCL	Likely Source of Contamination
Inorganic	Contam	inants						
8. Arsenic	N	2014	1.2	No Range	ppb	n/a	10	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
10. Barium	N	2014	.1708	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
14. Copper	N	2012/14	.5	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride	N	2014	.129	No Range	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2012/14	3	0	dqq	0	AL=15	Corrosion of household plumbing

									systems, erosion of natural deposits
21. Selenium	N	2014	4.1	No Range		ppb	5	50	<ul> <li>Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines</li> </ul>
Disinfectio	n By-	Produc	ts						
81. HAA5	N	2014	5	No Range	ppb		0	60	By-Product of drinking water disinfection.
82. TTHM [Total trihalomethanes]	N	2014	3.92	No Range	ppb		0	80	By-product of drinking water chlorination.
Chlorine	N	2014	.8	.46 – 1.24	mg/l		0 1	ADRL = 4	Water additive used to control microbes

	<u> </u>							microbes
PWS ID #	070011		7	TEST RESU	LTS			
Contaminant	Violatior Y/N	Date Collected	Level Detected	Range of Detects # of Samples Exceeding MCL/ACL	or Unit Measure -ment	MCLG	MCL	Likely Source of Contamination
Radioactiv	e Conta	aminant	S					
5. Gross Alpha	N	2012*	3	No Range	pCi/L	0	15	5 Erosion of natural deposits
Inorganic (	Contan	ninants						
8. Arsenic	N	2014	2.2	2 – 2.2	ppb	n/a	10	D Erosion of natural deposits; runo from orchards; runoff from glass and electronics production waste
10. Barium	N	2014	.1476	.14511476	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2014	1.8	No Range	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	2012/14	.4	0	ppm	1.3	AL=1.3	
16. Fluoride	N	2014	.154	.12154	ppm	4	4	4 Erosion of natural deposits; wate additive which promotes strong teeth; discharge from fertilizer ar aluminum factories
17. Lead	N	2012/14	1	0	ppb	0	AL=15	<ul> <li>Corrosion of household plumbing systems, erosion of natural deposits</li> </ul>
21. Selenium	N	2014	8.4	7.8 – 8.4	ppb	50	50	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines
Volatile Or	ganic (	Contami	nants					
76. Xylenes	N	2014	.0007	No Range	ppm	10	10	Discharge from petroleum factories; discharge from chemical factories
Disinfection	n By-Pı	roducts						
82. TTHM [Total trihalomethanes]	N	2014 1	.85 N	o Range p	pb	0		By-product of drinking water chlorination.
Chlorine	N	2014 .	0.0	05 – 1.89 m	ng/l	0 MDF		Nater additive used to control microbes

PWS ID#	070017		T	EST RESULT	S			
Contaminant	Violation	Date	Level	Range of Detects or	Unit	MCLG	MCL	Likely Source of Contamination

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	Y/N	Collected	Detected	# of Sample Exceeding MCL/ACL	g -ment	e			
Inorganic (	Contar	ninants							
8. Arsenic	N	2014	1.5	No Range	ppb		n/a	10	Erosion of natural deposits; rund from orchards; runoff from glass and electronics production waste
10. Barium	N	2014	.3657	.35393657	ppm		2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2014	.74	No Range	ppb		100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	2012/14	.3	0	ppm		1.3	AL=1.3	
16. Fluoride	N	2014	.159	.139159	ppm		4	4	Erosion of natural deposits; wate additive which promotes strong teeth; discharge from fertilizer at aluminum factories
17. Lead	N	2012/14	3	0	ppb		0	AL=15	Corrosion of household plumbin systems, erosion of natural deposits
21. Selenium	N	2014	6	5.6 - 6	ppb		50	50	Discharge from petroleum and metal refineries; erosion of natur deposits; discharge from mines
Disinfection	n By-P	roducts							
81. HAA5	N	2014 3	B N	o Range	ppb	0			y-Product of drinking water isinfection.
82. TTHM [Total trihalomethanes]	N	2014 2	2.22 N	o Range	ppb	0		80 B	y-product of drinking water hlorination.
Chlorine	N	2014 .	8 .1	7 – 1.33	mg/l	0	MDRL		Vater additive used to control

PWS ID#	070020		7	TEST RESUL	TS			
Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measure -ment	MCLG	MCL	Likely Source of Contamination
Radioactiv	e Conta	minants						
5. Gross Alpha	N	2012*	3.4	3.2 – 3.4	pCi/L	0	15	Erosion of natural deposits
Inorganic (	Contam	inants						
8. Arsenic	N	2014	.7	No Range	ppb	n/a	10	Erosion of natural deposits; runof from orchards; runoff from glass and electronics production wastes
10. Barium	N	2014	.1626	.14491626	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2014	2.3	.7 – 2.3	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	2012/14	.4	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride	N	2014	.181	.145181	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2012/14	1	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
21. Selenium	N	2014	3	2.6-3	ppb	50	50	Discharge from petroleum and metal refineries; erosion of natura

								deposits; discharge from mines
Disinfection	n By-	Produc	ts					
81. HAA5	N	2014	1	No Range	ppb	0	60	By-Product of drinking water disinfection.
82. TTHM [Total trihalomethanes]	N	2014	8.84	No Range	ppb	0	80	By-product of drinking water chlorination.
Chlorine	N	2014	.6	.21 – .75	mg/l	0	MDRL = 4	Water additive used to control microbes

<sup>\*</sup> Most recent sample. No sample required for 2014.

We are required to monitor your drinking water for specific constituents on a monthly basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. In an effort to ensure systems complete all monitoring requirements, MSDH now notifies systems of any missing samples prior to the end of the compliance period.

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Our water system is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead. The Mississippi State Department of Health Public Health Laboratory offers lead testing. Please contact 601.576.7582 if you wish to have your water tested.

All sources of drinking water are subject to potential contamination by substances that are naturally occurring or man made. These substances can be microbes, inorganic or organic chemicals and radioactive substances. All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline 1-800-426-4791.

The Mt. Comfort Water Association works around the clock to provide top quality water to every tap. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future.

## **Proof Of Publication**

### STATE OF MISSISSIPPI, COUNTY OF CALHOUN

Personally came before me, the undersigned, a Notary Public, in and for Calhoun County, Mississippi, Joel McNeece, Publisher of The Calhoun County Journal, a newspaper published in Bruce, Calhoun County, in said state, who being duly sworn, deposes and says that The Calhoun County Journal is a newspaper as defined and prescribed in Senate Bill No. 203 enacted at the regular session of the Mississippi Legislature of 1948, amending Section 1858 of the Mississippi Code of 1942, and the publication of a notice, of which annexed copy, in the matter of

#### MT COMFORT WATER ASSN WATER QUALITY REPORT

has been made in said newspaper one time, to-

On the 06 day of MAY 2015

July IICIUCE

Joel McNeece
Publisher

Sworn to and subscribed before me, this 06 day

of MAY, 2015.

Lisa Denley McNecce,
Notary Public

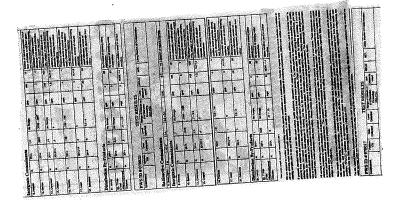
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